

Amendments to the Abstract

Please amend the paragraph under the heading **ABSTRACT** on page 82 as follows:

A system for communicating with a motion controller, comprising a set of primitive motion commands and non-primitive motion commands, a set of motion operations, a reprogrammable motion controller capable of executing at least one motion command, a set of selectable software modules, and a software system. Functionality of the non-primitive motion commands can be emulated by a combination of primitive motion commands. Functionality of the primitive motion commands cannot be emulated by a combination of primitive motion commands. At least one motion operation is associated with at least one motion command. At least one software module is associated with at least one motion controller, and at least two selectable software modules expose a common software interface. The software system is capable of commanding at least one motion controller to perform at least one motion operation using the common software interface exposed by at least one selected software module associated with at least one motion controller.

~~A system for controlling at least one selected motion control device selected from a group of supported motion control devices. The system comprises a set of software drivers, a selection component, and a software system. Each software driver in the set of software drivers is associated with one motion control device in the group of supported motion control devices, and a selected software driver is associated with at least one selected motion control device. The selection component identifies at least one selected software driver from the set of software drivers. The software system calls a series of component function calls to control the at least one selected motion control device associated with the at least one selected software driver based on the at least one selected software driver such that the at least one motion control device moves in a desired manner.~~